

## CLAIMS

### WHAT IS CLAIMED IS:

1. A barbecue grill assembly comprising:  
an upper assembly formed from a plurality of upper frame members, the upper  
assembly adapted to support a cooking chamber; and,  
a lower assembly having a shelf and a plurality of lower frame members  
wherein at least one frame member has an aperture, the shelf having at least one pin  
positioned adjacent an edge of the shelf, the pin cooperatively dimensioned with the  
aperture such that the pin is removably received by the aperture to connect the shelf  
and the frame member and secure the lower assembly.
2. The barbecue grill assembly of claim 1 wherein the lower frame members define an  
interior space and the shelf is cooperatively dimensioned with the interior space such  
that the shelf is positioned within the interior space.
3. The barbecue grill assembly of claim 1 wherein the shelf is a wire rack.
4. The barbecue grill assembly of claim 1 wherein the aperture has an inner diameter  
adapted for frictional engagement with the pin.
5. The barbecue grill assembly of claim 1 wherein the aperture is deformable for  
frictional engagement with the pin.
6. The barbecue grill assembly of claim 1 further comprising a bushing positioned  
within the aperture, the bushing adapted to receive a portion of the pin.

7. A barbecue grill assembly comprising:

an upper assembly formed from a plurality of upper frame members, the upper assembly adapted to support a cooking chamber;

a plurality of lower frame members wherein at least one frame member has an aperture; and,

a shelf having at least one pin positioned adjacent an edge of the shelf, the pin cooperatively dimensioned with the aperture such that the pin is removably received by the aperture to connect the shelf and the frame member and secure a lower assembly.

8. The barbecue grill assembly of claim 7 wherein the frame members define an interior space and the shelf has a perimeter cooperatively dimensioned with the interior space such that the shelf is positioned within the interior space.

9. A barbecue grill assembly comprising:

a frame assembly adapted to support a cooking chamber, the frame assembly having a plurality of frame members wherein at least one frame member has an aperture; and,

a shelf having at least one pin positioned adjacent an edge of the shelf, the pin cooperatively dimensioned with the aperture such that the pin is removably received by the aperture to connect the shelf and the frame member.

10. The barbecue grill assembly of claim 9 wherein the frame members define an interior space and the shelf has a perimeter cooperatively dimensioned with the interior space such that the shelf is positioned within the interior space.

11. The barbecue grill assembly of claim 9 wherein the shelf is positioned in a lower portion of the frame assembly.

12. The barbecue grill assembly of claim 9 wherein the shelf is positioned in an upper portion of the frame assembly.

13. The barbecue grill assembly of claim 9 wherein the connection of the shelf and the frame member secures the frame assembly.

14. A frame assembly for an outdoor cooking device, the frame assembly comprising:  
an upper assembly;  
a lower assembly having a shelf and a plurality of lower frame members  
wherein at least one frame member has an aperture, the shelf having at least one pin  
positioned adjacent an edge of the shelf, the pin cooperatively dimensioned with the  
aperture such that the pin is removably received by the aperture to connect the shelf  
and the frame member.
15. The frame assembly of claim 14 wherein the lower frame members define an interior  
space and the shelf is cooperatively dimensioned with the interior space such that the  
shelf is positioned within the interior space.
16. The frame assembly of claim 14 wherein the connection of the shelf and the frame  
member secures the lower frame assembly.

17. A frame assembly for an outdoor cooking device, the frame assembly comprising:  
a plurality of frame members wherein at least one frame member has an  
aperture;

a shelf having at least one pin positioned adjacent an edge of the shelf, the pin  
cooperatively dimensioned with the aperture such that the pin is removably received  
by the aperture to connect the shelf and the frame member.

18. The frame assembly of claim 17 wherein the frame members define an interior space  
and the shelf is cooperatively dimensioned with the interior space such that the shelf  
is positioned within the interior space.

19. The frame assembly of claim 17 wherein the connection of the shelf and the frame  
member secures the frame assembly.

20. A barbecue grill assembly comprising:

an upper assembly formed from a plurality of upper frame members, the upper assembly adapted to support a cooking chamber;

a lower assembly having a shelf and a plurality of lower frame members, the shelf having at least one securing member, the securing member adapted to move between a first position, wherein the securing member slidingly engages a portion of an inner wall of the lower frame member, and a second position, wherein the securing member lockingly engages a portion of a bottom wall of the lower frame member.

21. The barbecue grill assembly of claim 20 wherein the lower frame members define an interior space and the shelf is cooperatively dimensioned with the interior space such that the shelf is positioned within the interior space.

22. The barbecue grill assembly of claim 20 wherein the shelf is a wire rack.

23. The barbecue grill assembly of claim 20 wherein the securing member is biased towards the second position.

24. The barbecue grill assembly of claim 20 wherein the shelf provides structural integrity to the lower assembly when the securing member is located at the second position.

25. The barbecue grill assembly of claim 20 wherein when the securing member is located at the second position, the lower assembly has a sufficient amount of structural integrity to support the upper assembly.

26. The barbecue grill assembly of claim 20 wherein the lower frame members comprise a plurality of lower vertical members and at least one lower horizontal member.

27. The barbecue grill assembly of claim 26 wherein at the second position, the securing member engages a bottom wall of the lower horizontal member.

28. The barbecue grill assembly of claim 20 wherein the lower frame members comprise a plurality of lower vertical members and at least one lower cross-member.

29. The barbecue grill assembly of claim 28 wherein at the second position, the securing member engages a bottom wall of the lower cross-member.

30. A barbecue grill assembly comprising:

a frame assembly formed from a plurality of frame members defining an interior space, the frame assembly adapted to support a cooking chamber, the frame assembly having at least one lower frame member; and,

a shelf generally positioned within the interior space, the shelf having at least one securing member, the securing member adapted to move between a first position, wherein the securing member slidingly engages a portion of an inner wall of the lower frame member, and a second position, wherein the securing member lockingly engages a portion of a bottom wall of the lower frame member.

31. The barbecue grill assembly of claim 30 wherein the securing member is biased towards the second position.

32. The barbecue grill assembly of claim 30 wherein the securing member is an elongated tab.

33. A barbecue grill assembly comprising:

a frame assembly formed from a plurality of frame members defining an interior space, the frame assembly adapted to support a cooking chamber, the frame assembly having at least one lower frame member; and,

a shelf generally positioned within the interior space, the shelf having at least one securing member and at least one finger, the securing member adapted to move between a first position, wherein the securing member slidingly engages a portion of an inner wall of the lower frame member and the finger slidingly engages a portion of the inner wall, and a second position, wherein the securing member lockingly engages a portion of a bottom wall of the lower frame member and the finger engages a portion of the inner wall.

34. The barbecue grill assembly of claim 33 wherein the securing member is biased towards the second position.

35. The barbecue grill assembly of claim 33 wherein the securing member is an elongated tab.